

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

What is claimed is:

1. (original) A method for providing collated, face-up printing, said method comprising:

 creating a spool data file;

 creating a page-independent index file from said spool data file;

 manipulating said index file to effect collated, face-up printing; and

 executing a print job by accessing said index file.
2. (original) The method of claim 1 wherein said spool data file is a Microsoft Windows Job Description File.
3. (original) The method of claim 1 wherein said manipulation comprises changing the order in which pages are printed.
4. (original) The method of claim 1 wherein said index file comprises print job commands, page commands and page data.
5. (original) The method of claim 1 wherein said index file provides access to at least one Enhanced Metafile (EMF) file.

6. (original) The method of claim 1 wherein said index file provides access to at least one raw format file.
7. (original) The method of claim 1 wherein said manipulation of said index file comprises changing the side of a duplex page on which printing occurs.
8. (original) A method for providing driver-independent, printer-independent collated, face-up printing in a printing system, said method comprising:
 - creating a spool data file;
 - creating a Page-Independent Spool File (PISF) index file from said spool data file;
 - allowing manipulation of said PISF index file to effect collated, face-up printing;
 - and
 - accessing said PISF index file to execute a print job.

9. (original) A method for providing face-up, collated output in a printing system, said method comprising:
 - creating a page-independent spool index file;
 - manipulating said index file to effect face-up, collated output; and
 - accessing said manipulated index file to execute a print job.
10. (original) The method of claim 9 wherein said creating, said manipulating and said accessing are accomplished through a print processor.
11. (original) The method of claim 9 wherein said creating, said manipulating and said accessing are accomplished through a spooler.
12. (original) The method of claim 9 wherein said creating, said manipulating and said accessing are accomplished through a print assistant between a driver and a printer.

13. (original) A method for adding collated, face-up output capability to a printing system, said method comprising:
- initiating a print job for a document;
 - creating a page-independent spool index file;
 - modifying said index file to reconfigure said print job to output in a face-up, collated orientation; and
 - accessing said modified index file, to obtain document formatting information for printing.
14. (original) The method of claim 13 wherein said index file is produced by a print system component in a print system between a driver and a printer.
15. (original) A printing system with driver-independent, printer-independent document formatting, said system comprising:
- a print processor comprising:
 - an indexer for creating a page-independent index file;
 - a modifier for modifying said index file to produce print output in a face-up, collated orientation; and
 - a reader for accessing said manipulated index file to execute a modified print job.

16. (original) A computer-readable medium comprising instructions for driver-independent, printer-independent collated, face-up printer output, said instructions comprising the acts of:

creating a page-independent index file;
manipulating said index file to effect a collated, face-up output orientation; and
accessing said manipulated index file to execute a print job.

17. (original) A computer data signal embodied in an electronic transmission, said signal having the function of driver-independent, printer-independent collated, face-up printer output, said signal comprising instructions for:

creating a page-independent index file;
manipulating said index file to effect a collated, face-up output orientation; and
accessing said manipulated index file to execute a print job.